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(54) CORROSION RESISTANT BEARING

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(57) Abstract:

PURPOSE: To improve durability of an anticorrosion bearing by adding corrosion resistance to it and preventing deterioration of lubricating performance.

CONSTITUTION: This deep groove ball bearing is constituted of an inner ring 1, an outer ring 2, a plurality of balls 3 interposed between the inner and outer rings 1, 2, a retainer 4 holding the balls 4, rubber seals 5 mounted on both end parts of the outer ring 2, and a solid lubrication composite 6 made of mixture of super highpolymer polyolefin and lubricating grease filled in the bearing. The inner ring 1, the outer ring 2, and the balls 3 are made of SUJ2 material, the retainer 4 is made of a cold rolled steel sheet, and they are respectively provided with the lowermost layers of zinc-nickel alloy layer 1a, 2a, 3a, 4a covering the surface of base materials, the uppermost layers of chromic acid treated layer 1b, 2b, 3b, 4b, and the intermediate layers of pure zinc layer 1c, 2c, 3c, 4c interposed between both layers.

